

AMENDMENTS TO THE SPECIFICATION:

Please amend Page 6, Paragraph 2-7 as follows:

[1] ~~An antenna for detecting a magnetic field, wherein a plurality of loop antennas wound in opposite directions are connected in series and placed in a plane. A gate for detecting detection tag comprising~~

a coil for magnetic field generation,

a plurality of antennas for detecting a magnetic field, wherein a plurality of loop antennas wound in opposite directions are connected in series and placed in a plane, and
an output circuit for taking out a differential output between the each outputs
of the plurality of antennas for detecting a magnetic field.

[2] ~~A magnetic field detector comprising a plurality of antennas for detecting a magnetic field each set forth in [1] and an output circuit for taking out a differential output between the outputs of the plurality of antennas for detecting a magnetic field. The gate for detecting detection tag according to [1], wherein the output circuit is a differential amplification circuit.~~

[3] ~~A magnetic field detector according to [2], wherein the output circuit is a differential amplifier circuit. The gate for detecting detection tag according to [1], wherein the output circuit is a circuit formed by connecting the plurality of antennas for detecting a magnetic field in series so that the polarities of antennas become opposite to each other.~~

[4] ~~A magnetic field detector according to [2], wherein the output circuit is a circuit formed by connecting the plurality of antennas for detecting a magnetic field in series so that the polarities of antennas become opposite from each other. The gate for detecting detection tag according to [1], wherein the distance between each loop antenna and the coil for magnetic field generation is 10 to 40 cm.~~

[5] ~~A gate for detecting detection tag comprising a coil for magnetic field generation and a magnetic field detector set forth in [2].~~

[6] ~~A gate for detecting detection tag according to [5], wherein the distance between each loop antenna and the coil for magnetic field generation is 10 to 40 cm.~~

Application No. PCT/JP2004/008406
Amendment Dated January 17, 2006

A Substitute Specification is attached hereto.